

**The Knowledge Bank at The Ohio State University**  
**Ohio State Engineer**

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### ARCHITECTURE

Ohio State University graduates constitute almost the entire office force of Howard Dwight Smith, Arch. '07, architect for the Columbus Board of Education. As members of the staff, the following have charge of the complete building program of the Columbus schools:

Edward Cromer, C. E. '10; Marion A. Carter, Arch. '17; Howard Yerges, Gen. E. '19; Paul Wood, Arch. '23; Tom Rayburn, Arch. '24; Alexander Huhn, Arch. Eng. '24; Roy E. Vickers, Arch. Eng. '25; Clifford Jones, Arch. Eng. '25; Gerald Beam, Arch., now in school.

Miss Mary L. Church, '21, formerly in the office of the University Architect, is now in the office of Richards, McCarty and Bulford, Architects.

Alfred Friday, '21, is now employed by Edgar Outcalt, architect, Columbus, Ohio.

Dean Axline, B. A. '23, a former student in the Department of Architecture, is now at Yale University. He is one of the competitors for the Rome prize.

### CERAMIC ENGINEERING

Harry D. Helcer, '17, is with the R. Thomas and Sons Company, of Lisbon, Ohio. He visited the ceramic engineering department April seventeenth.

Hobart Craner, '21, is with the Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pennsylvania.

J. S. Gregorius, '20, is located at Mt. Vernon, Ohio. He is with the Pittsburgh Plate Glass Company.

C. A. Bloor, '26, was recently married to Miss Mary Margaret Mercer, of East Liverpool, Ohio. They are now residing at 85 West Eight Street, Peru, Indiana, where Mr. Bloor is connected with the Square D Company.

Kenneth Buck, '26, is now with the Wheeling Tile Company, at Wheeling, West Virginia.

E. L. Harcourt, '27, has accepted a position with the Engineering Experiment Station, and will be engaged in research work at the State owned Roseville Brick Plant.

### CIVIL ENGINEERING

W. J. Harnish, '17, is an engineer in the Miami Conservancy District with headquarters in the Conservancy Building in Dayton. His home address is 73 Redder Avenue.

C. S. Demos, '17, is at present on construction work for the Chesapeake & Hocking Railroad, doing designing in the Columbus office. He may go to Salonika, near his old home not far from Constantinople, with the Foundation Company of America, in the near future.

H. G. Collins, '22, is with the Lehigh Portland Cement Company, working out of Chicago.

John H. Heier, '22, was a caller recently on the campus. He is working for the Illinois State Highway Department and lives at 2244 South Tenth Street, Springfield, Illinois.

Carl B. Smith, '23, is engaged in the practice of civil engineering at Toledo, Ohio, and may be reached at 3626 Hoyles Avenue.

Paul H. Boldt, '25, was married on February 23rd to Miss Ruth Mortensen. They are living at 652 Franklin Avenue, Columbus, Ohio.

Floyd L. Reed, '25, is Assistant Division Engineer of District No. 8 of the Ohio State Highway Department with temporary headquarters in Cincinnati.

J. F. Parkinson, '26, was a recent caller on the campus. He is City Engineer and Service Director of Galion, Ohio.

J. H. LeFeaver, '11, visited the campus recently after an absence of sixteen years. He is engaged in architectural engineering in San Francisco, and lives at 135 Alvarado Road, in Berkley near the University of California. LeFeaver is assisting on the designing of some of the large buildings for the University.

### MECHANICAL ENGINEERING

Ray L. Clapper, '18, is with the Griscom-Russell Company, and is located at 285 Madison Avenue, New York City.

Fay A. Dun, '19, has resigned his position with the Bailey Meter Company of Cleveland, and is now engineer with the Fuller-Lehigh Co., Fullerton, Pennsylvania, and is living in Allentown.

William M. Holliday, '25, has resigned his position with the Westinghouse Air Brake Company at Wilmerding, and has gone to the Standard Oil Company at Whiting, Indiana, on research work on fuels.

Raymond W. Hogan, '25, is leaving the Cincinnati office of the Ohio Inspection Bureau and has accepted a position as fire insurance engineer with Alexander and Alexander, Baltimore, Maryland.

Herman Shubring, '26, has resigned from the Ohio Inspection Bureau, and is now with the C. & G. Cooper Company of Mt. Vernon, Ohio.

Fred B. Henry is with the Dodge Manufacturing Company, Mishawaka, Indiana, and is on material-handling work.

### ELECTRICAL ENGINEERING

W. C. Kalb, '04, is in the Sales Department of the National Carbon Company, Cleveland, Ohio.

T. D. Crocker, '04, is with the Northern States Power Company, Minneapolis, Minnesota.

F. D. Wyatt, '12, is an electrical engineer with the Columbia Engineering and Management Corporation, Cincinnati, Ohio.

H. K. Randall, '14, is now with the Crosley Radio Corporation, Cincinnati, Ohio.

(Continued on Page 27)

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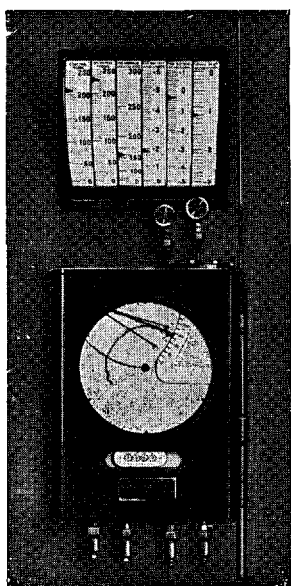
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**BULLETINS SENT ON REQUEST**

## Bailey Meter Company

2043 E. 46th Street

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Cleveland, Ohio

### ALUMNI NEWS

(Continued from Page 14)

E. G. Mangold, '12, is a power engineer with the Northern Ohio Traction and Light Company at Akron, Ohio.

C. H. Wilgus, '19, is with the Indiana Inspection Bureau, Indianapolis, Indiana.

L. E. Kietzman, '19, is located with the American Insurance Company of New Jersey. He is living in Toledo, Ohio.

K. West, '22, formerly with the Columbus Railway Power and Light Company, is now with the Texas and Louisiana Power Company, Dallas, Texas.

H. W. Keller, '23, who was formerly with the Columbus Railway Power and Light Company, is with the Columbia Power Company of Cincinnati, Ohio.

S. C. Hayward, '23, is in Springfield, Massachusetts, with the Westinghouse Electric and Manufacturing Company.

J. M. Comly, '24, is in the purchasing department of the Brooklyn Edison Company.

W. P. Cook, '26, is in Akron, Ohio, with the Northern Ohio Power and Light Company.

A. C. Schrader, '26, is with the A. Bentley and Sons Company, of Toledo, Ohio.

The Eastern Central Division Monthly of the National Electric Light Association gives a list of the committees of that organization. The following Ohio State men appear on this list: E. G. Mangold, '12, chairman, Power Committee; H. S. Noneman, '21, chairman, Industrial Lighting Committee; William Schuler, '11, chairman, Electrical Apparatus Committee; W. A. Wuichet, '15,

chairman, Inductive Interference Coordination Committee. The last three men are all associated with the Dayton Power and Light Company.

The important part which the graduates of the Ohio State University are taking in Electrical Engineering Education is shown by the following list:

#### Department Heads

Yale—C. F. Scott, '85.

Cornell—P. M. Lincoln, '92.

Iowa State College—F. A. Fish, '98.

Carnegie Institute—W. R. Work, '05.

University of Pittsburgh—H. F. Dyche, '06.

#### Assistant Professors of E. E.

Illinois—A. R. Knight, '09.

Stanford—W. B. Kindy, '16.

Ohio State—A. F. Puchstein, '17, and E. E. Kimberly, '21.

In addition to these, F. E. Kester, '95, is head of the department of physics at Kansas University.

#### MINING ENGINEERING

W. H. Cameron, '23, is a mine superintendent for the United States Gypsum Co. at Alabaster, Michigan.

Joseph F. Haas, '26, is employed by the Mancha Storage Battery Locomotive Co., of St. Louis. He is doing sales engineering work in the coal district of West Virginia, and may be addressed at the West Virginia Hotel, Bluefield, West Virginia.

D. E. Harpfer, '26, is making a study of the application of rubber belting and rubber goods to mining plants for the Goodyear Tire and Rubber Company of Akron, Ohio.

# WIRE

automobile and airplane wires, electrical wires, submarine cables, bridge-building cables, wire rope, telegraph and telephone wire, radio wire, round wire, flat wire,

star-shaped and all different kinds of shapes of wire, sheet wire, piano wire, pipe organ wire, wire hoops, barbed wire, woven wire fences, wire gates, wire fence posts, trolley wire and rail bonds, poultry netting, wire springs, concrete reinforcing wire mesh, nails, staples, tacks, spikes, bale ties, steel wire strips, wire-rope aerial tramways. Illustrated story of how steel and wire is made, also illustrated books describing uses of all the above wires sent free.

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E. S. Bonnet, '09, is a mining engineer for the New York Central Railroad. He has charge of rating for traffic purposes all coal mines on the New York Central lines. Mr. Bonnet's office is at 68 East Gay St., Columbus, Ohio.

E. A. Breitenstein, '26, is doing mine engineering work in Eastern Ohio and the panhandle district of West Virginia for the Valley Camp Coal Co. He can be addressed at 501 Howard St., Bridgeport, Ohio.

R. C. Hickman, '24, mine engineer for the Cerro De Pasco Copper Co. at Goyllarisquisqua, Peru, recently wrote an interesting letter to Prof. H. E. Nold telling of his experiences in the Andes Mountains.

### METALLURGICAL ENGINEERING

Raymond Whitzel, Met. E. '13, General manager of the United States Aluminum Company, was at the University last week looking for some Ohio State University metallurgists to take positions with his company at Niagara Falls, New York.

### ANSWERS TO "ASK ME ANOTHER" QUESTIONS

- (a) Ascanio Sombrero, an Italian, 1846;  
(b) Alfred B. Nobel, a Swedish chemist. His patent for dynamite was granted in 1867.
- Blasting caps and electric blasting caps.
- Nitroglycerin.
- (a) Joseph A. Holmes.  
(b) Scott Turner.
- Sulphur, charcoal, and Chile saltpeter.
- Faster.
- A galvanometer or an ohmmeter-galvanometer.
- Block-holing, snakeholing, and mud-capping.
- 17,500 feet a second.

- December, 1679, at Ottawa, Ill., by Father Hennepin, a French explorer.
- In parallel.
- Gelatin.
- Fulminate of mercury.
- Twenty-five pounds.
- (1) That the explosive is in all respects similar to the sample submitted by the manufacturer for test.  
(2) That detonators, preferably electric detonators, are used of not less efficiency than those prescribed, namely, not weaker than a No. 6 detonator.  
(3) That the explosive, if frozen, shall be thoroughly thawed in a safe and suitable manner before use.  
(4) That the quantity used for a shot does not exceed 1½ pounds (680 grams) and that it is properly tamped with clay or other non-combustible stemming.
- Ammonia dynamite, gelatine dynamite, straight nitroglycerin dynamite.
- The Explosives Engineer.
- FFFF, FFF, FF, F, C, CC, CCC.
- (a) James F. Callbreath.  
(b) H. Foster Bain.  
(c) Stephen S. Tuthill.  
(d) J. R. Boyd  
(e) Gen. R. C. Marshall, Jr.  
(f) W. S. Hays.
- The Moffat Tunnel, in Colorado, length 6.19 miles.
- Squarely across (Not on an angle).
- Wood.
- By burning.
- Pennsylvania.  
Total consumption for 1926:  
Black Powder, 29,517,125 lbs.  
Dynamite, 47,918,261 lbs.  
Permissible Explosives, 33,565,470 lbs.
- Dynamite. A free copy of a book entitled, "Dynamite—The New Aladdin's Lamp," can be obtained by writing to The Explosives Engineer, Wilmington, Delaware.

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**HESS SPEAKS TO INDUSTRIALS**

Don Hess, manager of the Timken Roller Bearing Co. at Columbus, spoke to the Industrial Engineering group Tuesday, April 19th, on, "Problems of Management." His talk was enthusiastically received, and as a result of an invitation, the Industrial Engineers visited his plant, and were instructed in the processes. They incidentally learned much about the system of wage payments in vogue at the plant, particularly the new inspection quota system.

The Scotchman who offered a prize to the first person to swim the Atlantic has recently announced that the winner must swim the distance under water.—*Rose Technic*.

Absent-minded Business Man (after kissing his wife)—Now, dear, I'll dictate a couple of letters.—*Iowa Engineer*.

Customer (on Sunday morning)—Give me change for a dime, please.

Druggist—Sure, and I hope you enjoy the sermon.—*Concordian*.

**SAYINGS OF TOONERVILLE FOLKS**

"I hear the old bridge outside town has collapsed."

"I can't understand why; we just gave it three coats of paint and it looked like new."

—*Sibley Journal*.



# Commencement isn't the end— It's just the Beginning!

**I**T'S mighty easy to think of Commencement as the end of everything that's care-free and pleasant. But don't make that mistake.

The cold, gray world after college isn't so cold and gray to the fellow that tackles it in the right spirit.

Of course, it isn't going to pay you a fat salary right at the start-off. That isn't the way it does things. Instead, it is going to put you through a testing and seasoning process which will measure your grit and your stamina and find out whether you're a *dependable performer*.

Once you've proved your dependability, you'll get responsibility and with responsibility comes income. And remember this—you'll consider yourself an experienced and dependable engineer long before the world admits it. It's that waiting period which will try your pluck.

In the meantime build your reputation of top-quality materials. Team up with the best in every job you handle. Stand for, *fight for* the best materials, the best designs, the best construction methods. Don't let your name get associated with second-bests, make-shifts and could-have-been-betters.

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